

ERODSKIY, V.Ya.; KUSHCH, A.A.

Variation of the number of polyploid cells in the postembryonic development in rats. Dokl. AN SSSR 147 no.3:713-716 N '62.  
(MIRA 15:12)

1. Institut morfologii zhivotnykh im A.N. Severtsova AN SSSR i  
Moskovskiy gosudarstvennyy universitet im. M.V. Lomonosova.  
(Polyplasty)

BRODSKIY, V. Ya.; KHRUSHCHOV, N. G.

Cytospectrophotometry of DNA in direct division of the nucleus,  
as exemplified by a study of fibroblasts of the subcutaneous  
connective tissue both in the normal state and in the focus of  
inflammation. Dokl. AN SSSR 147 no.4:939-942 D '62.  
(MIRA 16:1)

1. Institut morfologii zhivotnykh im. A. N. Severtsova AN SSSR  
i Institut morfologii cheloveka AMN SSSR. Predstavleno  
akademikom Yu. A. Orlovym.

(AMITOSIS) (NUCLEIC ACIDS)

AYZENSHADT, T.B.; ERODSKIY, V.Ya.

Fine structure of egg membranes in leeches. Dokl. AN SSSR  
148 no.3:728-730 Ja '63. (MIRA 16:2)

1. Institut morfologii zhivotnykh im. A.N. Severtsova AN SSSR.  
Predstavleno akademikom Yu.A. Orlovym.  
(Worms—Eggs) (Leeches)

"APPROVED FOR RELEASE: 08/22/2000

CIA-RDP86-00513R000307010007-3

BRODSKIY, V. ya.

"Protein synthesis in the nucleus of the glandular cell, and some new data on  
the dynamics of the process of secretion."

report submitted for 2nd Intl Cong, Histochemistry & Cytochemistry, Frankfurt,  
16-21 Aug 64.

Moscow.

Inst of Animal Morphology, AS USSR, Vavilov Street 12/2, Moscow B-113.

APPROVED FOR RELEASE: 08/22/2000

CIA-RDP86-00513R000307010007-3"

BRODSKIY, V. Ya.

Quantitative and qualitative changes in nuclear and cytoplasmatic proteins in the secretory cycle of the extraorbital gland in rats. An interferometric and cytospectrophotometric study.  
Dokl. AN SSSR 157 no.1:171-174 Jl '64 (MIRA 17:8)

1. Institut morfologii zhivotnykh im. A.N. Severtsova AN  
SSSR. Predstavleno akademikom A.N. Belozersk im.

BRODSKIY, V.Ya.; IVANOV, V.B., NECHAYEVA, N.V.

Direct participation of the cell nucleus in the secretory protein  
of the parotid salivary gland. Dokl. AN SSSR 157 no. 2:443-446  
(MIRA 17:7)  
Jl '64.

1. Institut morfologii zhivotnykh imeni A.N.Savertsova AN SSSR i  
Institut elementocorganicheskikh soyedineniy AN SSSR. Predstavлено  
akademikom A.N.Belozerskim.

AYZENSHTADT, T.B.; BRODSKIY, V.Ya.; IVANOVA, S.N.

Cytological studies of oogenesis. Report No.2: Cytochemical examination  
of the oocyte growth in the snail leech (*Glossiphonia complanata* L.)  
by ultraviolet cytophotometry and interference microscopy. TSitologija  
6 no.1:77-81 Ja-F '64. (MIRA 17:9)

1. Laboratoriya tsitologii Instituta morfologii zhivotnykh AN  
SSSR, Moskva.

BRODSKIY, V.Ya.; KHRUSHCHOV, N.G., KUSHCH, A.A.

Irregularity of the process of premitotic reduplication of DNA  
in mammalian cells; cytospectrophotometric data. Biul. eksp.  
biol. i med. 57 no.3:94-97 Mr '64.

(MIRA 17:11)

1. Institut morfologii zhivotnykh imeni A.N. Severtsova (dir. -  
doktor biologicheskikh nauk M.S. Mitskevich) AN SSSR, Institut  
morfologii cheloveka (dir. - chlen-korrespondent AMN SSSR prof.  
A.P. Avtsyn) AMN SSSR, kafedra gistologii (zav. - prof. G.I.  
Roskin) Moskovskogo gosudarstvennogo universiteta imeni Lomonosova.  
Predstavlena deyatel'nym chlenom AMN SSSR N.N. Zhukovym-  
Verezhnikovym.

KHRUSHCHOV, N.G.; BRODSKIY, V.Ya.; KRUGLIKOV, G.G.

Cytospectrophotometric and autoradiographic determination  
of DNA in giant cell nuclei of foreign bodies. TSitologija  
5 no.6:676-679 N-D '63. (MIRA 17:10)

1. Institut morfologii zhivotnykh imeni A.N. Severtsova AN  
SSSR i Institut morfologii cheloveka AMN SSSR, Moskva.

"APPROVED FOR RELEASE: 08/22/2000

CIA-RDP86-00513R000307010007-3

BRODSKIY, V.Ya.(Moskva)

Direct nucleus division. Usp. sovr. biol. 58 no. 3:367-394  
(MIRA 18:1)  
N-D '64.

APPROVED FOR RELEASE: 08/22/2000

CIA-RDP86-00513R000307010007-3"

D'YAKONOV, T.L.; VTPRINTSEV, B.N.; CHAPAS, A.F.; BRODSKIY, V.Ye.

Induction of RNA synthesis in the nerve cell by the electric  
activity. Biophysika 10 no.54826-831 '65.

(MIRA 18:10)

I. Institut biologicheskoy fiziki AN SSSR. Moskva.

L 23917-66 EWT(1)/T JK  
ACC NR: AP6014945

SOURCE CODE: UR/0217/65/010/005/0826/0831

AUTHOR: D'yakonova, T. L.; Veprintsev, B. N.; Chapas, A. F.; Brodskiy, V. Ya.

34

ORG: Institute of Biological Physics, AN SSSR, Moscow (Institut biologicheskoy fiziki AN SSSR)

B

TITLE: Induction of RNA synthesis in a nerve cell with electrical activity

SOURCE: Biofizika, v. 10, no. 5, 1965, 826-831

TOPIC TAGS: RNA, biosynthesis, electrophysiology

ABSTRACT: RNA synthesis was induced with electrical activity in earthworm nerve cells in order to attempt to explain the character of the connection between RNA synthesis in the cell and the generation of its effect potential. RNA synthesis was induced both in the whole animal and in the abdominal network isolated in weak Ringer's solution. RNA synthesis appears to depend on the number of nerve impulses generated by the cell rather than on the speed of the chemical reactions taking place, since RNA synthesis with electrical activity is affected little by a change in temperature (from +19 to +4°C). Orig. art. has: 3 figures and 4 tables. [JPRS]

SUB CODE: 06 / SUBM DATE: 19Jun64 / ORIG REF: 010 / OTH REF: 008

Card 1/1 BK

UDC: 577.37

BRODSKIY, Ya.

International Forum of Proletarian Solidarity. Metallurg 7  
no.2:2 of cover, '36-37, 3 of cover F '62, (MIRA 15:3)  
(Trade unions—Congresses)

BRODSKIY, Ya., inzh.; ALEKSEYEV, G., inzh.

The regulations for inspecting joints of house gas pipes must be changed. Stroi. truboprov. 7 no.11:23 N '62. (MIRA 15:12)

1. Spetsializirovannoye upravleniye No.7 tresta Rostvstroy, Rostov-na-Donu.

(Gas pipes)

BRODSKIY, Ya.

Today we are not on a parade but on the road toward communism.  
Metallurg 8 no.7:2 of cover, 4-5 Jl '63. (MIRA 16:8)

(Iron industry--Congresses)  
(Steel industry--Congresses)

"APPROVED FOR RELEASE: 08/22/2000

CIA-RDP86-00513R000307010007-3

BRODSKIY, Ya.

Forum for young metallurgists. Metallurg 8 nc.12:33-34 D '63.  
(MIRA 17:4)

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CIA-RDP86-00513R000307010007-3"

"APPROVED FOR RELEASE: 08/22/2000

CIA-RDP86-00513R000307010007-3

BRODSKIY, Ya.

Important Industrial potentiality. Metallurg 10 no. 9±41-42 S '65.  
(MIRA 18±9)

APPROVED FOR RELEASE: 08/22/2000

CIA-RDP86-00513R000307010007-3"

BRODSKIY, Ya.A.

Machine for cleaning and lubricating metal molds. Bet. i zhel.-bet.  
no.7:322-323 JI '60. (MIRA 13:7)

1. Glavnnyy inzhener betonnogo zavoda No.31.  
(Concrete construction--Formwork)  
(Lubrication and lubricants)

BATSANOV, B.T.[translator]; GERTSOVICH, G.B.[translator]; ROZOVSKIY,  
L.Ya.[translator]; BRODSKIY, Ye.A., red.; LEBEDINSKAYA, L.N.,  
red.; DZHATIYEVA, F.Kh., tekhn. red.

[National economy of the German Democratic Republic; 15  
years of peaceful development] Narodnoe khoziaistvo GDR; 15  
let mirnogo razvitiia. Moskva, Izd-vo inostr. lit-ry, 1961.  
509 p. Translated from the German. (MIRA 15:3)  
(Germany, East--Economic conditions)

"APPROVED FOR RELEASE: 08/22/2000

CIA-RDP86-00513R000307010007-3

SHTEYMBERG, M.A., doktor med.nauk, DOVZHANSKIY, S.I., GURA, M.E., BRODSKIY, Ya.I.

Gephosulfocidal in treating epidermophytosis of the foot.  
Vrach.delo no.6:649 Je '58 (MIRA 11:7)

1. L'vovskiy oblastnoy i gorodskoy kozhnovenereologicheskoye  
dispansery.  
(DERMATOMYCOSIS)

APPROVED FOR RELEASE: 08/22/2000

CIA-RDP86-00513R000307010007-3"

LETSOABA, Dzh., (Yuzhno-Afrikanskiy Soyuz); BRODSKIY, Ya.Ye. [translator]

Metallurgy in foreign countries. Dzh. Letsoba. Abridged translation from the English by I.A. N. Brodskii. Metallurg 5 no.7: 37-38 Jl '60.

(MIRA 13:7)

(South Africa, Union of--Metallurgy)

"APPROVED FOR RELEASE: 08/22/2000

CIA-RDP86-00513R000307010007-3

BRODSKIY, YE.A.

Design for blocking a trolley  
Rab. energ. 2, no.8, 1952

APPROVED FOR RELEASE: 08/22/2000

CIA-RDP86-00513R000307010007-3"

CHEREPAKHIN, N.D., inzh.; BRODSKIY, Ye.A., inzh.; BLYUSHKE, R.G., inzh.

Supplying electricity to the 650 mill of the Nizhniy Tagil  
Metallurgical Combine. Nov.tekh.mont.i spets.rab.v stroi. 21  
no.11:11-15 N '59. (MIRA 13:2)

1. Trest Tagilstroy.  
(Nizhniy Tagil--Rolling mills) (Electric power distribution)

BRODSKIY, Ye.A., inzh.

Supplying electric power to the construction sites of  
blast furnaces. Mont.i spets.rab.v stroi. 22 no.9:  
22-26 S '60. (MIRA 13:8)

1. Trest Tagilstroy.  
(Blast furnaces)  
(Electric power distribution)

14(6)

SOV/112-59-1-337

Translation from: Referativnyy zhurnal. Elektrotehnika, 1959, Nr 1, p 45 (USSR)

AUTHOR: Brodskiy, Ye. F.

TITLE: Investigation of a Heating Pipeline With Autoclave-Foam-Concrete  
Monolithic Insulation

PERIODICAL: Tr. Nauchno-tekhn. soveshchaniya po projektir. i str-vu teplovykh  
setey. M.-L., Gosenergoizdat, 1956, pp 36-60

ABSTRACT: Disadvantages of laying heat pipes in small-size tunnels with  
suspension-type insulation are noted; dripping from the tunnel vault and short-  
comings of borulin as a hydroinsulating material are pointed out. Advantages  
of autoclave-foam-concrete monolithic insulation are described. To determine  
the shifts of a pipe and its insulator in the soil with the changing temperature  
of the heat agent being transmitted, a special instrument was constructed at  
Leningradskiy inzhenerno-stroitel'nyy institut (Leningrad Civil-Engineers  
Institute); the instrument showed that the monolithic insulator shifts together  
with the pipe. Friction coefficients between borulin and soil, metal, and foam

Card 1/2

SOV/112-59-1-337

Investigation of a Heating Pipeline With Autoclave-Foam-Concrete Monolithic . . .

concrete were measured. Forces acting on the fixed supports were measured by tension meters and a special comparer. It is found that stresses initially grow with temperature rise and then, beyond a certain limit, remain constant; they do not exceed 500-600 kg/cm<sup>2</sup>. Forces applied to the fixed supports depend on the duration of the heated condition; in the course of time, the forces are gradually decreased due to a plastic deformation of the ambient soil. Formulae are presented for determining the forces acting on a stationary support and the heat conductivity of foam concrete depending on its volumetric weight, temperature, and moisture content. To clarify the conditions of internal-heat drying, special investigations were conducted and a drying-intensity factor was determined which can aid in assigning the drying time. Hydroinsulating properties of borulin were also investigated. It is noted that LISI investigations and a 6-year operating experience proved the reliability of an underground ductless piping insulated by autoclave foam concrete and laid above the water table.

M. L. Z.

Card 2/2

BRODSKIY, Ye. F.

124-11-12675

Translation from: Referativnyy Zhurnal, Mekhanika, 1957, Nr 11, p. 50 (USSR)

AUTHOR: Brodskiy, Ye. F.

TITLE: Investigation of the Functioning of Directly Distributing Hot-Water Supply Systems for Residential Buildings. (Issledovaniye rezhimov goryachego vodosnabzheniya zhilykh zdaniy pri neposredstvennom vodorazbore)

PERIODICAL: Nauchn. tr. Leningr. inzh.-stroit. in-ta, 1957, Nr 25, pp. 63-83

ABSTRACT: Bibliographic entry.

Card 1/1

BRODSKIY, Yelizar Fedorovich, kand.tekhn.nauk; ALEKSANDROVICH, Yu.B.,  
retsenzent; BELINKIY, Ye.A., nauchnyy red.; GRIGOR'YEV,  
I.B., red.izd-va; PUL'KINA, Ye.A., tekhn.red.

[Hot-water supply in connection with heating from central  
stations] Goriachee vodosnabzhenie pri teplofikatsii.  
Leningrad, Gos.izd-vo lit-ry po stroit., arkhit. i stroit.  
materialam, 1961. 133 p.

(MIRA 14:12)

(Hot-water supply)  
(Heating from central stations)

BRODSKIY, YE.M.

Unit Surgeon's Concern about the Soldiers Lagging Behind in Physical Training  
VOYENNO-MEDITSINSKY ZHURNAL (Military Medical Journal), no. 2, February 1955, p. 23

Use of artificial grinding materials and instruments for  
glassworking. VU. A. BRODSKII. *Steklo i Keram.*  
*Prim.*, 1947, No. 4, pp. 18-20; abstracted in *Chem. Zentr.*,  
1948, I [13/14] 704.—Experiments showed that electro-  
corundum is very suitable for working optical and other  
glass products and that grinding wheels are preferable to  
powdered grinding materials because the working process is  
accelerated and more uniform. M.HA.

ASW-SLA METALLURGICAL LITERATURE CLASSIFICATION

B1, 4, Glass, Ceramur

On page 114

Br. Blue.

Method for preparing abrasive materials for polishing glass.  
Y. A. DIMITROV, S. V. KARABELOV, 1947, No. 6, 5; Brit. Cram.  
Abt., 1948, 2184. A method of producing powdered corundum is  
described. The powder is suspended in H<sub>2</sub>O in a funnel and allowed  
to settle for a period of time predetermined by Stokes' Law. The  
remainder of the suspension which does not settle during this period  
is poured off into a second funnel and allowed to settle for a given  
time, and the process is repeated through four funnels.

R. H. CLARKE.

BRODSKIY, YU. N.

MT ✓ Evaluation of surface of ground glass. Yu. A. Brodskii.  
Sichlo i Keram., 10 [2] 7-9 (1953).—B. reviews existing criteria  
and describes an electrical instrument for measuring the surface  
of ground glass. Vertical movements of a diamond needle are  
converted into electrical oscillations and transmitted to either an  
averaging counter or to a self-recording instrument. B.Z.K.

BRODSKIY, Yu. N.

✓ Preparation of crocus from iron vitriol in a rotary furnace.  
A. G. Minakov, N. A. Semerenko, and Yu. A. Brodskiy  
*Steklo i Keram.* 10, No. 2, 11-14(1953).—High-quality  
crocus, with uniform grain size and high polishing capacity,  
is obtained from a large rotary furnace (7 X 0.8-1 m.).  
Output is 200 kg./hr. of dehydrated vitriol and up to 120  
kg./hr. of burned crocus. B. Z. Kamich

(2)

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CIA-RDP86-00513R000307010007-3

Determination of the brittleness of glass. Yu. A. Brodskii (*Slekt i Keramika*, 1953, 10, No. 2, 27; *Glass*, 1954, 35, 494). The relative increase in area of a specimen when it is shattered in a standard manner is taken as a criterion of the brittleness.

L.A. Spoden

APPROVED FOR RELEASE: 08/22/2000

CIA-RDP86-00513R000307010007-3"

BRODSKIY, Yu. A.

660. The use of fine quartz sand for the grinding of sheet glass. — Yu. A. Brodskii and Z. M. Zin'kova (*Glass & Ceramics*, Moscow, 10, No. 9, 9, 1953). It is argued that it is more economical to use coarse quartz sand than fine natural or artificial corundum. The abrasion capacity of electro-corundum is 1.8-2.7 times higher than that of sand. However, if coarser grains of sand are used and a higher grinding pressure is applied, there will be a 20-25% reduction in the subsequent polishing. Sand is very much cheaper than electro-corundum, although 3-5 times more will be needed for the same amount of grinding. (4 figs., 4 tables.)

Journal of Applied Chemistry  
April 1954  
Industrial Inorganic Chemistry

Use of powdered quartz sand for grinding or polishing of glass sheet. Russian tests. Anon. (*Glass*, 1953, 30, 569).—Owing to the cost and scarcity of corundum sand is being increasingly used in Russia. Y. A. Brodskii and Z. M. Zin'kova (*Steklo i Keramika*, 1953, Sep., 9–13) question the results of T. E. Gollie and N. N. Kachalov (*C.R. Acad. Sci., U.S.S.R.*, 1946) and report on their own experimental comparison of the grinding and polishing qualities of sand and corundum. Using a lens-grinding machine it was found that the abrasive power of corundum was 1.8 to 2.7 times that of sand and increased with the fineness. The quality of the finish (profilograph of Y. A. Brodskii, *Steklo i Keramika*, 1953, No. 2) given by sand was better, probably due to the uniformity of the grain size. The lower abrasive power of sand can be compensated by increased working pressure and the use of larger quantities.

U. A. Sieden

BROD SKIY, Yu. A.

Effect of coarse fraction in abrasive powders on grinding of glass. Yu. A. BRODSKI AND Z. M. ZIN'KOVA. *Steklo i Keram.*, 11 [8] 10-13 (1954) --Data indicate that for each brand of abrasive powder there is allowed up to 3.5% of coarse fraction, the grains of which are 2.0 to 2.5 times greater than the largest grains of the main fraction. The efficiency of grinding and the quality of the ground surface are determined by this coarse fraction, not by the main fraction. The main fraction does not function while the coarse fraction is present. The specifications should be reviewed to exclude such coarse fractions. D.Z.K.

BRODSKIY, Yu.A.; TYURIN, Yu.M.; KLEGG, D.I.; BARSKOV, I.M., redakter;  
EVUDOVSKAYA, N.I., tekhnicheskiy redakter.

[Conveyer for the production of polished plate glass] Konveier dlja  
proizvodstva polirovannogo listevoego stekla. Moskva, Gos. izd-vo  
lit-ry po stroit. materialam, 1955. 98 p.  
(Plate glass) (Conveying machinery) (MLRA 9:4)

Brodskiy, Yu.A.

USSR/Chemical Technology - Chemical Products and Their  
Application - Other Industries.

I-30

Abs Jour : Referat Zhur - Khimiya, No 9, 1957, 33138

Author : Brodskiy, Yu.A., Zin'kova, Z.M., Kondakov, S.S.

Inst :

Title : Mechanized Production of Crocus by the Soda Method at the  
Plant imeni Dzerzhinskiy.

Orig Pub : Steklo i keramika, 1955, No 10, 14-18

Abstract : Hot solutions of the starting materials:  $\text{FeSO}_4 \cdot 7\text{H}_2\text{O}$   
(70-80°) and  $\text{Na}_2\text{CO}_3$  (50-60°) are filtered, respectively,  
through a vacuum- and a press-filtrer and are run by gravi-  
ty into precipitation vats. The volume ratio of dissolu-  
tion and precipitation vats must be not below 1:4. The  
 $\text{FeCO}_3$  precipitate is washed and steamed to remove soluble  
sulfates of Na and Fe. The duration of settling (after  
washing) is 2-4 hours. Suspension of the precipitate is  
pumped to vacuum filter drums to remove the water

Card 1/2

Institute Stekla

USSR/Chemical Technology - Chemical Products and Their  
Application - Other Industries.

I-30

Abs Jour : Ref Zhur - Khimiya, No 9, 1957, 33138

(up to 30-35%), then the precipitate is partially dried (to 5-7%) and disintegrated. The calcination is carried out in a revolving furnace. Temperature of calcining is determined experimentally on the basis of the polishing properties of the crocus (C), obtained at different values of the parameters. Lowering of the temperature compensated by an increased duration of the treatment of the material in the furnace, improves the quality of the crocus. The calcined C is rapidly cooled, then mixed and steamed. The C is divided into fractions in vats disposed in a cascade (or in continuous operation cone classifiers). C fractions are strained through vibratory silk screens. Thereafter the C suspension is adjusted to the required density and passed into service vats. The supply of dry calcined C is stored in mixing bins and the finished C suspension -- in the service vats.

Card 2/2

BRODSKIY, Yu. A.

USSR/Chemical Technology. Chemical Products and their Application.  
Glass. Ceramics. Building Materials.

J-12

Abs Jour: Referat Zh.-Kh., No 8, 1957, 27634

Author : Yu. A. Brodskiy. Yu. M. Tyurin, R.I. Tsoy.

Inst :

Title : Experiment of Application of Polirite to Polishing Glass  
on Conveyers.

orig Pub: Steklo i keramika, 1956, No 7, 8-11.

Abstract: The new polishing material - polirite (P) - has a polishing capacity 2 to 2.5 times greater than the ordinary crocus. The chemical composition of a batch of P is (in %): CeO<sub>2</sub> - 47.35; oxides of other rare earth metals (lanthanum, praseodymium, neodymium etc.) 47.27; SiO<sub>2</sub> - 0.16; Al<sub>2</sub>O<sub>3</sub> - 2.21; Fe<sub>2</sub>O<sub>3</sub> - 0.77; CaO - 0.42; MgO - 0.17; loss on ignition - 1.2. The main polishing component of P is CeO<sub>2</sub>, the content of which in P should be ≤ 40%. The presence of CaO in the amount of above 1% decreases the polishing ca-

Card : 1/3

-33-

USSR/Chemical Technology. Chemical Products and their Application.  
Glass. Ceramics. Building Materials.

J-12

Abs Jour: Referat Zh.-Kh., No 8, 1957, 27634

pacity considerably. The temperature of roasting of P is of an essential importance to its polishing capacity, the optimum temperature being 1100°. The test of P was carried out on a conveyor ShS-500, the speed of the band having been 2.42 m/min, and the initial ground glass surface had unevennesses  $U_{max} = 3.0$  to  $3.5 \mu$ ; the polishing capacity of P was 0.3148 g. The pressure on the polisher in 49 polishing benches was 73 g/sq. cm, and it was from 33 to 73 g/sq.cm in other 6 benches. The total glass polishing amounted to  $10.4 \mu$ . Under the same conditions of polishing, but at the band speed of 2.20 m/min, the polishing of glass with crocus, the polishing capacity of which was 0.1916 g, was  $10.5 \mu$ . The substitution of crocus with P under the same conditions of polishing results in a considerable raise of the yield of commercial 1st grade plate glass without any noticeable increase of the thickness of the polished layer

Card : 2/3

-34-

, USSR/Chemical Technology. Chemical Products and their Application.  
Glass. Ceramics. Building Materials.

J-12

Abs Jour: Referat Zh.-Kh., No 8, 1957, 27634

of glass. Profile graphs of the glass surface are attached; these graphs show the glass surface at various stages of polishing, starting from a surface with a relief layer 3.0 to 3.5<sup>μ</sup> thick and ending with a completely polished surface. The profile graphs were made with a diamond needle, the vertical magnification being 10,000 to 100,000 times. The conclusion that P works in the last stages of glass polishing more intensively than crocus is arrived at on the basis of the profile graphs.

Card : 3/3

-35-

BRODSKIY, Yu.A., kand. tekhn. nauk; ZIN'KOVA, Z.M., inzh.; KONDAKOV, S.S.,  
inzh.

Selecting methods and flow-sheets for mechanized crocus production.  
Trudy VNIIStekla no.37:12-26 '57. (MIRA 11:1)  
(Glass manufacture--Equipment and supplies) (Iron oxides)

5(2) PAGE 2 BOOK EXPLOITATION 807/1727

Akademika nauch. soveta. Institut: goskhimi i analiticheskoy khimii  
Buduschestvo elementov polucheniiyu, analizu, primeneniye (Rare Earth  
Plants); Extraction, Analysis and Application (Rare Earth).  
1956. 351 p. 2,200 copies printed.

Sup. 24. D. I. Zubobitov, Professor; Editorial Board: I. P. Alimarin,  
Corresponding Member, USSR Academy of Sciences; I. N. Zastrelev, Doctor  
of Chemical Sciences; S. V. Bogolyubov, Candidate of Chemical Sciences;  
V. I. Bumetov, Doctor of Chemical Sciences; N. M. Semyonov, Candidate of  
Chemical Sciences; and Yu. S. Shlyapnikov, Candidate of Chemical Sciences.  
Eds. of publishing house: D. R. Trifonov and T. G. Lard. Tech. Ed. G. O.  
Barovitch.

PURPOSE: This book is intended for scientists, chemists, teachers and students  
of higher educational institutions, chemical and industrial engineers and  
other persons concerned with the extraction, preparation, analysis and  
new earth elements.

CONTENTS: This collection contains reports presented at the Institute of Geochemistry and Analytical Chemistry  
on Rare Earth Elements at the Academy of Sciences USSR. The article  
covers chemical methods of separating rare earth minerals, methods of processing  
rare earth ore, ion exchange chromatography, chemical analysis and some  
industrial applications of rare earths. Aside from contributing authors, the  
editors mention the following Soviet scientists who are studying rare earth  
elements: new search methods and the preparation of rare earth  
oxides and salts; Martynov, Neiman; Kurnikov, Plavskiy; Chirkov,  
Sabitov, Seleznev; Shuklin and especially F. A. Orlova who first isolated the  
molecular compounds of these elements in their pure state, separated them  
and determined their specific properties.

TABLE OF CONTENTS:

Rare Earth Elements; Extraction (cont.) 807/1727

Zubobitov, V.P., N.I. Grusova, I.P. Yefremov, and V.A. Kuznetsov (Moscow State  
University) and N.V. Lomonosov, Faculty of Chemistry), Spectrophotometric  
Investigation of Complex Compounds of Rare Earth Elements 277

Imperovity, Iu. (Institute of Geochemistry and Analytical Chemistry) and  
V.R. Nemadzhay (as USSR) Use of a Scintillation Spectrometer for the  
Analysis of Minority Elements of Rare Earth Elements 284

Bogolyubov, E.T., and V.A. Dobrovolskiy (Geochemistry Research-Institute of Geodynamics  
of the USSR Academy of Sciences, Geological Survey Institute) No 25 [All-Union  
Scientific Research Institute for Glass, Gor'kiy Branch] Plant "Uralsteklo"  
No. 25). Some Problems of Using Rare Earth Elements in the Glass Industry 290

Semyonov, V.I., Yu.M. Semyonov, and T.N. Prokof'yeva (Institute of Polymers  
of Glass Plant Izhevsk Plant "Kerzinka") Application of "Polarite"  
Borohydride for Polishing Glass on a Conveyor of the Plant Izhevsk 297

Semyonov, Yu.M., and V.P. Tsvetkov (Institut metallicheskoi avtogen-

[Institute for Metallurgy AS USSR], Study of the Microstructure and Properties

Mechanical Properties of Rare Earth Elements and Their Alloys 299

card 10/11

(F-2)

15(6)

AUTHOR:

Brodskiy, Yu. A.

SOV/72-59-2-3/21

TITLE:

Intensification of the Glass Polishing Process by Assembly Line Procedure (Intensifikatsiya protsessa polirovki stekla na konveyernykh ustanovkakh)

PERIODICAL:

Steklo i keramika, 1959, Nr 2, pp 7-10 (USSR)

ABSTRACT:

Table 1 contains working data of various glass polishing plants, and it may be seen therefrom that polishing intensity on foreign assembly lines amounts to an average  $0.86 - 1 \mu/\text{min}$ , whereas only  $0.28 - 0.56 \mu/\text{min}$  is attained by national assembly lines. Polishing intensity on individual machines of the 4 PS and 73 PS types is considerably higher (Table 2), depending on the higher specific pressure of the machine spindle. The Institut stekla (Glass Institute) in cooperation with the factory imeni Dzerzhinskiy is carrying out experiments with the assembly line ShS-500, with an increased polishing pressure calling for the introduction of more powerful electric motors. Table 3 specifies working data of the assembly line ShS-1,000 of the factory Saratov for the production of technical glass. Comparative data of the performance given by the assembly lines of the factories

Card 1/2

Intensification of the Glass Polishing Process by Assembly Line Procedure SOV/72-59-2-3/21

Saratov and imeni Dzerzhinskiy are contained in table 4. When designing new assembly lines a specific polishing pressure of up to 150-200 g/cm<sup>2</sup> as well as a specific power consumption of at least 30 kw per square meter of the polishing surface must be taken into account. There are 4 tables.

Card 2/2

BRODSKIY, Yu.A.; GOMOZOVA, N.A., red. izd-va; RUDAKOVA, N.I., tekhn.  
red.

[Polished glass; manufacture and use] Polirovannoe steklo; proiz-  
vodstvo i primenenie. Moskva, Gos. izd-vo lit-ry po stroit.,  
arkhit. i stroit. materialam, 1961. 266 p. (MIRA 14:10)  
(Glass)

BEREZINNOY, A.I.; BRODSKIY, Yu.A.; BRONSHTEYN, Z.I.; VEYNBERG, K.L.;  
GALDINA, N.M.; GLETMAN, B.A.; GINZBURG, D.B.; GUTOP, V.G.;  
GUREVICH, L.R.; DAUVAL'TER, A.N.; YEGOROVA, L.S.; KOTLYAR,  
A.Ye.; KUZYAK, V.A.; MAKAROV, A.V.; POLLYAK, V.V.; POPOVA,  
E.M.; PRYANISHNIKOV, V.P.; SENTYURIN, G.G.; SIL'VESTROVICH,  
S.I., kand. tekhn. nauk, dots.; SOLOMIN, N.V.; TEMKIN, B.S.;  
TYKACHINSKIY, I.D.; SHIGAYEVA, V.F.; SHLAIN, I.B.; EL'KIND,  
G.A. [deceased]; KITAYGORODSKIY, I.I., zasl. deyatel' nauki i  
tekhniki RSFSR, doktor tekhn. nauk, prof., red.; GOMOZOVA,  
N.A., red.izd-va; KOMAROVSKAYA, L.A., tekhn. red.

[Handbook on glass manufacture] Spravochnik po proizvodstvu  
stekla. [By] A.I. Berezhnoi i dr. Pod red. I.I. Kitaigorodskogo  
i S.I. Sil'vestrovicha. Moskva, Gosstroizdat. Vol. 2. 1963.  
815 p.

(Glass manufacture)

BEREZHOV, A.I.; BRODSKIY, Yu.A.; BRONSHTEYN, Z.I.; VEYNBERG, K.L.;  
GALDINA, N.M.; GLETMAN, B.A.; GINZBURG, D.B.; GUTOP, V.G.;  
GUREVICH, L.R.; DAUVAL'TER, A.N.; YEGOROVA, L.S.; KOTLYAR,  
A.Ye.; KUZYAK, V.A.; MAKAROV, A.V.; POLLYAK, V.V.; POPOVA,  
E.M.; PRYANISHNIKOV, V.P.; SENTYURIN, G.G.; SIL'VESTROVICH,  
S.I., kand. tekhn. nauk, dots.; SOLOMIN, N.V.; TEMKIN, B.S.;  
TYKACHINSKIY, I.D.; SHIGAYEVA, V.F.; SHLAIN, I.B.; EL'KIND,  
G.A. [deceased]; KITAYGORODSKIY, I.I., zasl. deyatel' nauki i  
tekhniki RSFSR, doktor tekhn. nauk, prof., red.; GOMOZOVA,  
N.A., red.izd-va; KOMAROVSKAYA, L.A., tekhn. red.

[Handbook on glass manufacture] Spravochnik po proizvodstvu  
stekla. [By] A.I.Berezhoi i dr. Pod red. I.I.Kitaigorodskogo  
i S.I.Sil'vestrovicha. Moskva, Gosstroizdat. Vol.2. 1963.  
815 p.

(Glass manufacture)

"APPROVED FOR RELEASE: 08/22/2000

CIA-RDP86-00513R000307010007-3

GIRSHBERG, V.V., inzh.; BRODSKIY, Yu.A., inzh.; KIRSHMAN, R.V., inzh.;  
MALINOVSKAYA, Z.N., inzh.; TRIFONOVA, T.P., inzh.;  
KHODNEV, V.V., inzh.

Large-block units of electric power supply equipment for  
agriculture. Elektrotehnika 34 no.11:1-7 N '63.  
(MIRA 17:2)

APPROVED FOR RELEASE: 08/22/2000

CIA-RDP86-00513R000307010007-3"

5(1)  
AUTHOR:Brodskiy, Yu. N.

SOV/64-59-2-13/23

TITLE:

Drying of Sulfur Dioxide With Solid Sorbents (Osushka  
sernistogo angidrida tverdymi sorbentami)

PERIODICAL:

Khimicheskaya promyshlennost', 1959, Nr 2, pp 155-163 (USSR)

ABSTRACT:

The application of solid drying agents instead of sulfuric acid in the production of liquid sulfur dioxide (I) may simplify the drying process and reduce oleum consumption. The experimental results of drying (I) described in this paper were obtained in the NIIogaz (some special analyses in the NIUIF and GIAP) with silica gel of the type KSM (GOST 3956-47) (A), an active aluminum oxide (B), and bauxites from the Sokolovka-(C) and Turgay-(D) deposits. (A) is finely porous (pore diameter 20-40 Å) (Ref 13), (B) was produced in the Dneprodzerzhinsk works and is a drying alumino gel consisting mainly of  $\gamma$ - and  $\beta$ - $\text{Al}_2\text{O}_3$  (as was found by B. G. Lyudovskaya (GIAP) by x-ray analysis), (C) and (D) contain  $\text{Al}_2\text{O}_3$  mainly as gibbsite and were activated with air for 4 hours at 450°. Humidity was determined in the investigations of gases and sorbents by means of a photoelectric colorimeter (Ref 25).

Card 1/3

Drying of Sulfur Dioxide With Solid Sorbents

SOV/64-59-2-13/23

The static activity of the sorbents was investigated at 10, 20 and 30° and at complete saturation with steam ( $\varphi = 1$ ), and it was found that the static water capacity of the sorbents is higher in sorbent(I) than in air (Table 1). Examinations of the dynamic activity of the sorbent with steam in a (I)-atmosphere showed that (A),(B),(C) and (D) are efficient for a drying from (I) until a dew point (DP) below -60° at sorption temperatures of 10, 20 and 30° ((B) at 30° until (DP) -45°). The results of experiments are given for flow velocities of 0.035 m/sec (Table 2), as well as diagrams on the time of action of the sorbent as a function of gas humidity (Figure 1) and on the quantity of the sorbent as a function of the dynamic activity of (A) (Fig 2) corresponding to an equation (Refs 27,28). The best drying of (I) at 10-30° may be attained with (A). Experiments were also carried out on the time of action of the sorbents (Table 3) and the regeneration of (A). In order to examine (I) with (A), a test apparatus (Fig 3, Scheme) was constructed and the smoke gases of one of the thermal power plants of the Mosenergo were used. Besides various data on the working process of drying, water capacity of (A) as a function of the humidity content and flow velocity of (I) (Table 4),

Card 2/3

Drying of Sulfur Dioxide With Solid Sorbents

SOV/64-59-2-13/23

As well as the regeneration of (A), it was found that (I) can be dried with (A) in vacuum to a water content of 20-25 mg/Nm<sup>3</sup>. Electron-microscopic investigations made by M. Ye. Kuperman (NIUIF) showed that fresh (A) has a strongly porous structure, which after the process in an (I)-atmosphere becomes more finely porous and more distinct (Fig 7). The drying of (I) with (A) needs 2.2 times less capital investments than with sulfuric acid, and prime costs of the dried gas are lower by 1.5 times. The use of solid sorbents instead of sulfuric acid is recommended also for chlorine production. There are 7 figures, 4 tables, and 30 references, 20 of which are Soviet.

Card 3/3

PHASE I BOOK EXPLOITATION SOV/5329

Yegorov, Nikolay Nikolayevich, Mikhail Mikhaylovich Dmitriyev,  
Dmitriy Dmitriyevich Zykov, and Yury Nikolayevich Brodskiy

Ochistka ot sery koksoval'nogo i drugikh goryuchikh gazov  
(Purification of Coke Gas and Other Combustible Gases From  
Sulfur) 2d ed., rev. and suppl. Moscow, Metallurgizdat, 1960.  
341 p. Errata slip inserted. 3,200 copies printed.

Ed. (Title page): N. N. Yegorov; Ed. of Publishing House: M. L.  
Yezdokova; Tech. Ed.: M. R. Kleynman.

PURPOSE: This book is intended for technical personnel of the  
by-product coke and gas industries, and may also be used by  
students specializing in the processing of fuels and combustible  
gases.

COVERAGE: The book reviews methods of removing hydrogen sulfide  
and organic sulfur compounds from combustible gases, with evalua-  
tions and comparisons of the more widely used and promising  
methods. For those techniques which are of practical value in  
Card 1/10

## - Purification of Coke Gas (Cont.)

SOV/5329

industry, computational data on processing, descriptions and computational data on equipment, and production figures are given. The necessary pre-desulfurization conditions for gases are characterized along with methods of utilizing the hydrogen sulfide from the purification cycle. The alkali-arsenous oxide ethanolamine methods of purification are discussed in detail. Yu. N. Brodskiy wrote chapter 13 and assisted in the revision of other chapters. There are 171 references: 82 Soviet, 62 English, 24 German, 2 Italian, and 1 French.

## TABLE OF CONTENTS:

Foreword to the Second Edition	3
Foreword to the First Edition	4
Introduction	5
Ch. I Characteristics of Coke Gas and Other Gases	5
Coke gas	5
Card 2/10	5

BRODSKIY, Yu. N., Cand Tech Sci -- (diss) "Research into the process of drying sulfuric anhydride absorbants containing aluminum and silicon oxides." Moscow, 1960. 22 pp with illustrations; (State Committee of the Council of Ministers USSR for Chemistry, Scientific Inst for Fertilizers and Insectofungicides im Prof Ya. V. Samoylov); 250 copies; price not given; (KL, 28-60, 160)

YEGOROV, Nikolay Nikolayevich; DMITRIYEV, Mikhail Mikhaylovich; ZYKOV,  
Dmitriy Dmitriyevich; BRODSKIY, Yury Nikolayevich; YEZDOKOVA,  
M.L., red.izd-va; KLEYNMAN, M.R., tekhn.red.

[Removal of sulfur from coke-oven gas and other fuel gases]  
Ochistka ot sery koksoval'nogo i drugikh goriuchikh gazov. Izd.2.,  
perer. i dop. Pod red. N.N.Yegorova. Moskva, Gos.nauchno-tekhn.  
izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1960. 341 p.  
(MIRA 14:3)

(Gases--Purification) (Sulfur)

ZAREMBO, L.K., kand. fiz.-mat. nauk; KARPOV, A.K., inzh.; LEGOSTAYEV, P.Ya., kand. tekhn. nauk; BRODSKIY, Yu.N., kand. tekhn. nauk; KHRENOV, N.S., inzh.; KHODANOVICH, I.Ye., kand. tekhn. nauk; BRISKMAN, A.A., kand. tekhn. nauk; GORODETSKIY, V.I., inzh.; NIKITIN, A.A., inzh.; GILL', B.V., inzh.; KRAYZEL'MAN, S.M., inzh.; DZHAFAROV, M.D., inzh.; LUNEV, A.S., kand. tekhn. nauk; NIKITENKO, Ye.A., inzh.; YERSHOV, I.M., kand. tekhn. nauk; ZAYTSEV, Yu.A., inzh.; MAGAZANIK, Ya.M., inzh.; SHAROVATOV, L.P., inzh.; RABINOVICH, Z.Ya., inzh.; BIBISHEV, A.V., inzh.; ASTAKHOV, V.A., dots.; KOMYAGIN, A.F., kand. tekhn. nauk; ANDERS, V.R., inzh.; SERGOVANTSEV, V.T., kand. tekhn. nauk, dots.; UTKIN, V.V., inzh.; KUZNETSOV, P.L., inzh.; MAMAYEV, M.A., inzh.; SVYATITSKAYA, K.P., ved. red.; FEDOTOVA, I.G., tekhn. red.

[Handbook on the transportation of combustible gases] Spravochnik po transportu goriuchikh gazov. Moskva, Gostoptekhizdat, 1962. 887 p. (MIRA 15:4)  
(Gas, Natural--Transportation)

BRODSKIY, Yu.N.

Production of sulfur from concentrated hydrogen sulfide gases. Khim.  
prom. 41 no. 3; 191-196 Mr '65. (MIRA 18:7)

BRODSKIY, Yu.S.; VERKHOGLYADOVA, T.P.

Dermoid and epidermoid tumors of the lower part of the vertebral canal. Nov.khir.arkh. no.6:117-123 N-D '58. (MIRA 12:3)

1. Institut neyrokhirurgii Ministerstva zdravookhraneniya USSR (direktor i nauchnyy rukovoditel' - zasl. deyatel' nauki prof. A.I. Arutyunov). Adres avtorov: Kiyev, ul. Otradnaya, d. 32 Institut neyrokhirurgii.  
(SPINE--TUMORS)

ERODSKIY, Yu.S.

Some aspects of diagnostic examination of the cerebrospinal fluid  
in tumors of the region of the cauda equina. [with summary in English,  
p.64]. Vopr.neirokhir. 22 no.4:33-37 Jl-Ag '58 (MIRA 11:9)

1. Nauchno-issledovatel'skiy institut neurokhirurgii Ministerstva  
zdravookhraneniya USSR:

(CAUDA EQUINA, neoplasms,  
CSF, diag. exam. (Rus))

BRODSKIY, Yu.S.; VERKHOGLYADOVA, T.P.

Clinical aspects and pathomorphology of ependymomas of the cauda equina region. Vop.neirokhir. 22 no.6:22-27 N-D '58. (MIRA 12:2)

1. Ukrainskiy nauchno-issledovatel'skiy institut neyrokhirurgii..  
(EPENDYMOMA, case reports,  
cauda equina (Rus))  
(CAUDA EQUINA, neoplasms,  
ependymoma (Rus))

BRODSKIY, Yu. S. Cand Med Sci -- (diss) "Primary tumors <sup>in</sup> the ~~area of the head and neck~~ <sup>area of the head and neck</sup> (Clinic, diagnosis, and treatment)." Kiev, 1959. 16 pp. (Kiev Order of Labor Red Banner Med Inst im Academician A. A. Bogomolets), 125 copies (KL, 52-59, 125)

BRODSKIY, Yu.S.; PEL'TS, B.A. (Kiyev)

Spinal epidermoids (cholesteatomata) following repeated endolumbar administration of streptomycin. Vrach. delo no.8: 65-70 Ag '61. (MIRA 15:3)

1. Ukrainskiy nauchno-issledovatel'skiy institut neurokhirurgii. Nauchnyy rukovoditel' - chlen-korrespondent AMN SSSR, zasluzhennyy deyatel' nauki A.I. Arutyunov.

(SPINAL CORD--TUMORS)  
(STREPTOMYCIN)

BRODSKIY, Yu.S.; PEL'TS, B.A. (Kiyev)

Postpuncture cholesteatomas of cauda equina and the spinal  
cord. Vrach. delo no.2:83-88 F '62. (MIRA 15:3)

1. Ukrainskiy nauchno-issledovatel'skiy institut neurokhirurgii.  
(SPINAL CORD--TUMORS)  
(SPINE--PUNCTURE)

L 25492-66 EPF(n)-2/EWA(h)/EWT(l)/ETC(f)/EWG(m) IJP(c) A1  
ACC NR: AP6011389 SOURCE CODE: UR/0057/06/036/003/0453/0459

AUTHOR: Brodskiy, Yu.Ya.; Yagin, V.A.; Kotov, V.I.

ORG: none

TITLE: Asymmetric waves in plasma waveguides

SOURCE: Zhurnal tekhnicheskoy fiziki, v. 36, no.3, 1966, 453-459

TOPIC TAGS: plasma waveguide, dispersion equation, wave propagation, electromagnetic wave

ABSTRACT: By asymmetric waves the authors understand waves that do not possess full axial symmetry. The electric and magnetic fields of the waves discussed in this paper have the form  $F(r) \exp[i(rt - kz + n\theta)]$  in cylindrical coordinates  $r, \theta, z$ , where  $r$  is the frequency,  $k$  is a propagation constant, and  $n$  is an integer not less than 1. The propagation of these waves is discussed in three types of plasma waveguide: 1) the region  $r < a$  is empty and the region  $r > a$  is filled with an isotropic plasma with dielectric constant  $(f^2 - f_0^2)/f^2$ , where  $f_0$  is the plasma frequency; 2) the region  $r < a$  is empty, the region  $a < r < b$  is filled with the isotropic plasma of case 1), and the surface  $r = b$  is conductive; and 3) the region  $r < a$  is filled with a plasma that is highly magnetized by an axial magnetic field, the region  $a < r < b$  is empty or filled with an isotropic non-dispersive medium, and the surface  $r = b$  is conductive. Case 1) is treated in most detail. The dispersion equation is derived and its roots are discussed separately for slow waves, waves with phase velocity  $c$

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Card 1/2

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ACC NR: AP6011389

(the velocity of light in vacuum), and fast waves. Asymmetric waves with phase velocity  $c$  always have a positive group velocity; in this respect their behavior differs from that of symmetric waves. In the limit of very high phase velocity the dispersion equation factors into two equations representing two groups of hybrid waves. Cutoff conditions and dispersion curves for waves of these groups are presented graphically. The propagation of asymmetric waves in plasma waveguides of types 2) and 3) is discussed in much less detail; the essential equations are given and some limiting forms are pointed out. Orig. art. has: 27 formulas and 5 figures.

SUB CODE: 20 SUBM DATE: 29mar65 ORIG. REF: 004 OTH REF: 008

Card 2/2 CC

"APPROVED FOR RELEASE: 08/22/2000

CIA-RDP86-00513R000307010007-3

NOSKOV, N.S., kand.tekhn.nauk; TSAPENKO, Ya.P., kand.tekhn.nauk;  
ZVEZDKIN, A.S., inzh.; BRODSKIY, Z.I., inzh.

Control of liquid flow into a vessel using electrodes. Prom. energ.  
17 no.12:26-31 D '62. (MIRA 17:4)

APPROVED FOR RELEASE: 08/22/2000

CIA-RDP86-00513R000307010007-3"

BRODSKIY, Z.Yu., mayor meditsinskoy sluzhby

Air conduits for artificial respiration using the "mouth to mouth" and "mouth to nose" methods. Voen.-med. zhur. no.3:90 '65. (MIRA 18:11)

BRODSKY, Artur

Equivalent of the acidity of ferritic coagulants and its determination. Sbor pal vod VŠChT 4 no.1:153-164 '60.

(EEAI 10:9)

1. Vyvojove stredisko upravy prumyslovych vod pri CKD Dukla, Praha  
a katedra technologie vody, Vysoka skola chemicko-technologicka,  
Praha.

(Water) (Iron) (Coagulants) (Acidity)

ELIASEK, Jaroslav; BRODSKY, Artur; CECH, Jan; RICHTEROVA, Vera

Contribution to the determination of the chemical demand of oxygen  
by potassium permanganate. Sbor pal vod VSChT 4 no.1:179-198 '60.  
(EEAI 10:9)

1. Katedra tepelne techniky, Vysoke skoly chemicko-technologicke a  
Vyvojove stredisko upravy prumyslovych vod, CKD Dukla.

(Oxygen) (Potassium permanganate)

BRODSKY, Artur, inz.; ZDENEK, Vladislav, inz.; NOVAK, Jan, inz.

First operational experience with the CNII water clarifier  
in our plants. Energetika Cz ll no.7:335-338 Jl '61.

WUNSCH, J., inz.; KADLEC, V., inz.; BRODSKY, A., inz.

New method of removing oxygen from demineralized feed water and condensates in high-pressure electric power plants and heating plants. Energetika Cz 12 no.10:515-520 0 '62.

1. Ceskomoravska-Kolben-Danek Dukla, Praha.

BRODSKY, Artur, inz.; SICH, Jiri

Experimental measurement of the modified Spaulding clarifier  
with the 70 tv/h output in the Hodonin Power Plant.  
Energetika Cz 13 no.1:38-40 Ja '63.

1. Ceskomoravska-Kolben-Danek Dukla, VSUPV, Praha.

KADLEC, Vaclav; BRODSKY, Artur

Oxidation-reduction exchangers. Chem listy 58 no.8:891-910  
Ag '64.

l. Research Institute of Industrial Water Treatment affiliated  
with Ceskomoravska-Kolben-Danek Dukla National Enterprise, Prague.

"APPROVED FOR RELEASE: 08/22/2000

CIA-RDP86-00513R000307010007-3

BRODSKY, A., inz.; ZDENEK, Vl. inz.

Continuous densimeter for lim. batching. Vcdni hosp 14  
no.12;2 of cover, 3 of cover '64.

APPROVED FOR RELEASE: 08/22/2000

CIA-RDP86-00513R000307010007-3"

SMRHA, Lubomir; BRODSKY, Ivo

Effect of various activators on the reactivity of exothermic mixtures  
of non-thermite type. Hut listy 17 no.2:111-114 F '62.

1. Vyzkumny ustav, Vitkovicke zelezarny Klementa Gottwalda.

MYSLIVEC, Theodor; CADEK, Josef; MANDL, Miroslav; VRSEK, Jaroslav;  
BRODSKY, I.; LUBOVSKY, M.

Effect of the quality of ceramic runners on the micropurity of  
steel used for making railway wagon tires. Part 2: Investigation  
on determining the origin of nonmetallic inclusions in steel by  
radioactive isotopes. Hut listy 16 no.2:94-102 F '61.

1. Vyzkumny ustav, Vitkovicke zelezarny Klementa Gottwalda,  
Ostrava (for Myslivec, Brodsky and Lubovsky). 2. Vyzkumny  
ustav hutnictvi zeleza, Praha (for Cadek, Mandl and Vrsek).

BRODSKY, J.

CZECHOSLOVAKIA/Fitting Out of Laboratories. Instruments.  
Their Theory, Construction, and Use.

F.

Abs Jour : Ref Zhur - Khimiya, No 9, 1958, 28585  
Author : Zmitko, J., Brodsky, J., and Biza, V.  
Inst : -  
Title : The Automatic Recording of the Results of Gas Chromato-  
graphic Analysis.  
Orig Pub : Chem Prumysl, 7, No 8, 414-416 (1957) (in Czech with  
summaries in German, French, English, and Russian)  
Abstract : A catharometer [TN: see RZhKhim, No 9, 1958, 20596,  
for description of apparatus; latter is essentially a  
thermal conductivity detector] is installed at the out-  
let of the column; the indications of the catharometer  
are recorded on a moving strip of photosensitized paper  
by means of a light-beam galvanometer. The apparatus  
is suitable for the analysis of mixtures containing air,

Card 1/2

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000307010007-3". F.  
CZECHOSLOVAKIA/Fitting Out of Laboratories. Instruments.  
Their Theory, Construction, and Use.

Abs Jour : Ref Zhur - Khimiya, No 9, 1958, 28585

CH<sub>4</sub>, C<sub>2</sub>H<sub>6</sub>, C<sub>2</sub>H<sub>4</sub>, C<sub>3</sub>H<sub>8</sub>, iso-C<sub>4</sub>H<sub>10</sub>, n-C<sub>4</sub>H<sub>10</sub>, 1-butene,  
trans-2-butene, cis-2-butene, and butadiene.

AUTHORS: Brodsky, J. and Zmitko, J. CZ/8/52(82)/10-34/39

TITLE: Preparation and Properties of Kieselguhr Used as a Support in Gas Chromatography (Uprava a vlastnosti křemeliny jako nosiče pro plynovou chromatografii)

PERIODICAL: Chemicke Listy, 1958, Vol 52(82), Nr 10, pp 2012-2013  
(Czechoslovakia)

ABSTRACT: Because of import difficulties connected with such carriers as "Celite 545" and "Sterchamoll", the authors report a method for treating indigenous Kieselguhr to produce a suitable carrier. This involves the wetting and redrying, baking and powdering of the Kieselguhr to produce particles of a suitable and uniform size. There are 3 references, all of which are Czech.

ASSOCIATION: Výzkumný ústav synthetického kaučuku, Gottwaldov  
(Rubber Research Institute, Gottwaldov)

SUBMITTED: January 14, 1958

Card 1/1

2

S/081/62/000/016/043/043  
B171/B186

AUTHORS: Brodský, Jan, Mačka, Miroslav

TITLE: Method of determining monomers in latex

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 16, 1962, 563, abstract .  
16P390 (Czechosl. patent 98830, March 15, 1961)

TEXT: The quantitative analysis of monomers (M) in latexes (L) is carried out by gas chromatography. 30 - 50 mg of L are fed through a proportioner into an evaporator fitted with a temperature control device (60 - 150°C). The vapors pass through a layer of  $Mg(ClO_4)_2$  for dehydration and are injected into a column containing silica gel with 20% of liquid phase (LP). For determination of styrene (I) and of chloroprene (II), the column is 40 cm long and has a diameter of 0.5 cm. It is maintained at the temperature of 85°C.  $H_2$ , used as carrier gas, flows through the column at the rate of 60 ml/min. A thermal conductivity cell is used for detection. The analysis requires only few minutes and the precision is  $\pm 2 - 3\%$  for a content of 0.05 - 1% of M in L. Triethanolamine is used as liquid phase

Card 1/2

Method of determining monomers in latex

S/081/62/000/016/043/043  
B171/B186

for butadiene, I, isoprene, pyridine, acrylonitrile and isobutylene,  
whereas dimethylglycol phthalate is employed for II, vinyl chloride, vinyl  
acetate, acrylic and methacrylic acids. [Abstracter's note: Complete  
translation.]

Card 2/2

BRODSKY, J.; BEZDEK, M. LUDAS, J.; HRABAK, F.

Purification of technical chloroprene. Chem prum 15 no.1:  
23-30 Ja '65.

1. Section of Research and Development of Kaučuk National  
Enterprise, Kralupy nad Vltavou (for Brodsky). 2. Institute  
of Macromolecular Chemistry of the Czechoslovak Academy of  
Sciences, Prague (for Bezdek, Lukas and Hrabak).

RASKA, Blasej, MUDr; BRODSKY, Milan, MUDr

Diagnostic difficulties in an unusual abnormality of the uropoietic system in infant. Pediat, listy, Praha 9 no.3:176-178 May-June 54.

1. Z I detske klin. (predn. prof. dr. Jos. Svejcar) a z oddel. detske a orthopedicke chirurgie (prednosta prim. dr. Vaclav Toseovsky) d.f.n. v Praze.

(URINARY TRACT, abnormalities

duplication of kidney, pelvis & ureter)

(ABNORMALITIES

urinary tract, duplication of kidney, pelvis & ureter)

BRODSKY, Milan, As. MUDr; RASKA, Blazej. MUDr

Volvulus of the small intestine with isolated strangulation by a band and perforation of the intestinal loop in a 7-days old infant. Pediat. listy, Praha 9 no.5:298-299 Sept-Oct 54.

1.Z oddeleni detske a orthopedicke chirurgie Detske fakultni nemocnice (prednosta prim. MUDr. Vaclav Tosovsky, precovni skupina doc. dr. V.Kafky) a z I. detske kliniky KU v Praze (prednosta- prof. MUDr. Josef Svejcar)

(INTESTINAL OBSTRUCTION, in infant and child

volvulus of small intestine, with isolated strangulation by band & perf. of intestinal loop in 7-day old inf., surg.)

BRODSKY, Milan, As. MUDr

Methods of surgical treatment of obstruction of the upper part of  
the ureter in children. Roshl.chir. 34 no.1-2:15-24 Feb '55.

1. Z oddeleni detske chirurgie DPH v Praze (prednosta prim. dr.  
Vaclav Tosevsky) a pracovni skupina doc. dr. V. Kafky  
(URETERS, diseases  
obstruct. of upper part, surg., methods in child.)

KAFKA, V.; HNEVKOVSKY, O.; BRODSKY, M.

Therapy of exstrophy of the bladder. Rozhl.chir. 34 no.1-2:92-103  
Feb '55.

1. Z detske fakultni nemocnice v Praze, oddeleni detske chirurgie a  
orthopedie (prim. V.Tosovsky) Z kliniky detske orthopedie (prof.  
O.Hnevaskovsky)

(BLADDER, abnormalities  
exstrophy, pathol. & surg.)

(ABNORMALITIES  
bladder exstrophy, pathol. & surg.)

BRODSKY, Milan, MUDr.

Some diseases of the urogenital system with symptoms of acute abdomen in children. Cesk. pediat. 10 no.7:509-513 Sept 55.

1. Z oddeleni pro detskou a orthopedickou chirurgii DFN v Praze. Prednosta: primar doc. MUDr. Vaclav Tosovsky.

(UROGENITAL SYSTEM, diseases

differ. diag. from acute abdomen in child.)

(ABDOMEN, ACUTE, in infant and child

differ. diag. from dis. of urogenital system.)

ELEFANT, Emerich; BRODSKY, Milan; JELINEK, Jan

Urolithiasis in infants. Cas. lek. cesk. 101 no.19:587-592 11 Ky  
'62.

1. III detska klinika fakulty vseobecneho lekarstvi KU v Praze,  
prednosta prof. dr. O.Vychytil. Klinika detske chirurgie fakulty  
detskeho lekarstvi KU v Praze, prednosta prof. dr. V.Kafka, DrSc.  
(URINARY CALCULI in inf & child)

BRODSKY, Milan; DRAPKA, Miloslav; KABELKA, Miroslav; KUDRNAVA, Ludmila;  
BOR, Imrich; KRCILKOVA, Milada; DITTRICH, Jan; KUBAT, Karel

Prolonged perfusion in children at a normal temperature. (Conduction  
of operations for congenital cardiac defects). Rozhl. chir. 41 no.3:  
167-;76 Mr '62.

1. Klinika detske chirurgie FDL KU v Praze, prednosta prof. DrSc.  
MUDr. V. Kafka II. detska klinika FDL KU v Praze, prednosta prof.  
DrSc. MUDr. J. Houstek IV. detska klinika FVL KU v Praze, prednosta  
prof. DrSc. MUDr. F. Blazek Nuerologicke klinika FVL KU v Praze,  
prednosta akademik K. Henner II. patologickatomicky ustav FVL  
KU v Praze, prednosta prof. DrSc. MUDr. V. Jedlicka.  
(HEART MECHANICAL) (HEART DEFECTS CONGENITAL surg)

HLADIK, M.; BRODSKY, M.

Diagnostic difficulties in congenital atresia of the esophagus  
and similar conditions. Cesk.pediat.15 no.11:1022-1025 N'60.

1. Klinika pediatricke chirurgie v Praze, prednosta doc. MUDr.  
Vaclav Kafka.

(ESOPHAGUS abnorm)

BRODSKY, M.

Prevention of increased pressure in the superior vena cava  
following cavopulmonary anastomosis. Rozhl. chir. 43 no.9:  
577-581 S '64.

1. Klinika detske chirurgie fakulty detskaho lekarstvi Karlovy  
University v Praze (prednosta prof. dr. V. Kafka, DrSc.).

ACC NR: AP7001978

SOURCE CODE: GE/0030/66/018/002/0863/0871

AUTHOR: Startsev, V. I.; Soldatov, V. P.; Brodsky, M. M.

ORG: Physicotechnical Institute for Low Temperatures, Ukrainian Academy of Sciences, Kharkov

TITLE: Growth rate of twin layer in bismuth single crystals

SOURCE: Physica status solidi, v. 18, no. 2, 1966, 863-871

TOPIC TAGS: bismuth, ~~bismuth crystal~~, single crystal growth, twinning, single crystal, activation energy

ABSTRACT: An attempt is made to determine the stress relationship of the normal and tangential rate of twinning in bismuth single crystals of different purities. On the basis of experimental data, it is concluded that the broadening of twin layers occurs by a heterogeneous mechanism. The activation energy is determined for the processes of twin layer broadening and twin growth in the direction of shear. It is established that the process of twin layer broadening in bismuth involves the simultaneous reorientation of about  $10^4$  atomic planes and

Card 1/2

ACC NR: AP7001978

that the  $10$  to  $10^2$  twinning dislocations participate in each plane per centimeter length of twin plane in the direction of shear. The authors thank S. N. Komnik, F. F. Lavrentov, V. B. Pariiskii, and V. Z. Bengus for valuable discussions. Orig. art. has: 8 figures and 15 formulas. [Based on authors' abstract] [NT]

SUB CODE: 20/SUBM DATE: 01Aug66/ORIG REF: 006/OTH REF: 009/

Card 2/2

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CIA-RDP86-00513R000307010007-3

"Composition and Quality of Abrasives." p. 208, Praha, Vol. 4, no. 3, Mar. 1954.

SO: East European Acquisitions List, Vol. 3, No. 9, September 1954, Lib. of Congress

APPROVED FOR RELEASE: 08/22/2000

CIA-RDP86-00513R000307010007-3"

Brodsky, V.; PAVLIK,

~~Obstet. off. and -2 located in the fetus in cesarean section.~~  
~~Cesk. gynek. 29 ne.9:669-670 N. '64~~

1. Gyn.-par. odd. Obvodniho ustavu narodniho zdraví v Teplicích  
(vedoucí MUDr. J. Holub).

BRODSZKIJ[Brodskiy], A. I., akademikus (Kiev)

Use of isotopes in the study of chemical structure and reaction mechanisms. Kem tud kozl MTA 15 no.3:267-285 '61.

1. Az Ukran Szovjet Szocialista Koztarsasag Tudomanyos Akademiajanak Fizikai Kemial Intezete, Kiev.

(Isotopes) (Chemical reactions)

BRODSZKIJ[Brodskiy], A. I. (Kiev)

Investigation of the mechanism of redoxy and peroxide reactions by means of isotope method. Kem tud kozl MTA 15 no.3:287-305 '61.

1. Az Ukran Szovjet Szocialista Koztarsasag Tudomanyos Akademianak Fizikai Kemial Intezete, Kiev.

(Isotopes) (Peroxides) (Chemical reactions)

BRODSZKI, MIKOŁAJ

Republika Hajtomyvek. Budapest, Tankonyvkiado. (Egyetemi tankonyv, 4413)  
(Airplane driving mechanisms; a university textbook. bibl., diagrs.,  
footnotes, graphs, tables) Vol. I. (Piston engines) 1952. 380 p.

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 9, Sep. 1957. Uncl.